

# Math with Riddles - Order of Operations 5

Solve the math problems to solve the riddle. Show all of your work.

C)  $(9 - 3)^2 + (16 \div 4) = \underline{\hspace{2cm}}$

T)  $6 \times (9 - 2) + 2^2 = \underline{\hspace{2cm}}$

K)  $(38 - 2) \div 3 + 7^2 = \underline{\hspace{2cm}}$

R)  $(7 + 5)^2 + (18 \div 6) = \underline{\hspace{2cm}}$

S)  $6 \times (14 + 4) + 2^2 = \underline{\hspace{2cm}}$

D)  $(32 - 2^2) \div (6 - 4) = \underline{\hspace{2cm}}$

I)  $(2 \times 5 + 3^2) + 6 = \underline{\hspace{2cm}}$

Y)  $(42 - 6) \div 3 + 6^2 = \underline{\hspace{2cm}}$

A)  $(85 - 5^2) \div (6 + 6) = \underline{\hspace{2cm}}$

What has 3 feet but cannot walk?

5

48

5

147

14

112

46

25

40

61

# Algebraic Expression Sudoku

(Integers from +1 to +9)

Evaluate the following. Place the answer to the question in the correct box indicated by the problem number to create a Sudoku puzzle that can be solved when completed.

Let  $a = 3$ ,  $b = 4$  and  $c = 5$  for the following expressions:

1C.  $7b - c^2$

4D.  $c^2 - b^2$

7A.  $\frac{20c - (c - b)}{3b - 1}$

1G.  $8c - 8b$

4F.  $b^2 - (b + c)$

7F.  $c^2 - (4c + 3)$

1H.  $ab - c$

4G.  $a^2 - 2b$

7I.  $70 \div c - (b + 3)$

2A.  $3c - (a + b)$

5B.  $\frac{4(ac - 2a)}{b + c - a}$

8D.  $2bc - 9b$

2E.  $b^2 - ac$

5E.  $\frac{bc}{2 + a}$

8E.  $8ab - 16c - a^2$

2F.  $b + c - a$

5H.  $10a - b^2 - c$

8I.  $\frac{10ab}{bc + b}$

3A.  $a^2 - c$

6C.  $7a^2 - 6(b + c)$

9A.  $(9b^2 + a) \div 7a$

3D.  $b^2 - (b + c)$

6D.  $4c \div b - a$

9B.  $9a^2 - 11(a + b)$

3I.  $bc - a(b + 2)$

6F.  $a^2 - a - c$

9C.  $7b^2 - (20c + 4)$

4B.  $ab - 2c$

6H.  $\frac{5ab}{a + b + c}$

9G.  $b + c - 2a$

9									
8									
7									
6									
5									
4									
3									
2									
1									
	A	B	C	D	E	F	G	H	I